

[Document Name] Abstract

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[Problems]

5 In an optical disk apparatus for mutually recording
and reproducing a DVD and a CD (CD-R), it is difficult to
reduce its cost and size because it has a lot of optical
parts such as a prism.

[Means to Solve]

10 In a optical head, a beam is emitted from a light
emitting element in which a plurality of light sources are
integrally formed, the light sources being able to emit
beams having different wave lengths to one another. An
optical system converges the beam coming from any one of
the light sources onto an optical information storage
15 medium. An optical separator separates a reflected beam
coming from the optical information storage medium from the
beam coming from the light source. A light receiving
element detects light quantities of the reflected beam
separated by the optical separator.

20 [Selected Drawing] Fig. 1